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ABSTRACT

The USMA uses the Whole Man concept in the selection of candidates for admission. This concept encompasses three broad ability areas: scholastic, leadership potential, and physical condition and aptitude. The entrance scores for each area are compared with previous classes, and it is shown that the Class of 1973 has decreased in its academic potential from the Class of 1972. The mean Leadership Potential Score has decreased slightly for the Class of 1973 as compared to the Class of 1972, but is the same for the Class of 1971 and higher than for the Classes of 1969 and 1970. The mean Physical Aptitude Examination Scores are also slightly lower than for the Class of 1972, but approximately equal to that of the Classes of 1969, 1970, and 1971. Comparison information is also given between the Classes of 1973 and 1972 as well as with previous classes. Trend data for the Classes of 1965 to 1973 are included in the appendix in tabular form. Over all, tabular and graphical data are given on academic qualifications, potential for success at USMA, trends in admission scores, honors and awards, participation and attainments in high school athletics, high school background, non-athletic activities during high school, military experience or service, parents' military background, and college background. (Author/LBH)

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BACKGROUND AND PREDICTED SUCCESS OF CADETS IN THE CLASS OF 1973

DUTY-HONOR-COUNTRY

OFFICE OF RESEARCH
May 1970

BACKGROUND AND PREDICTED SUCCESS OF CADETS IN THE CLASS OF 1973 WITH COMPARISONS WITH PREVIOUS CLASSES

XB1.01-70-007

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April 1970
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ABSTRACT

1. The United States Military Academy uses the Whole Man concept in the selection of candidates for admission. This concept encompasses three broad ability areas: scholastic, leadership potential, and physical condition and aptitude. The entrance scores for each of these areas are compared with previous classes. The Class of 1973, compared to the Class of 1972, has decreased in its academic potential.

2. The mean Leadership Potential Score has decreased slightly for the Class of 1973 as compared to the Class of 1972, however, it is the same as for the Class of 1971 and higher than for the Classes of 1969 and 1970. The mean Physical Aptitude Examination scores are also slightly lower than for the Class of 1972, but approximately equal to that of the Classes of 1969, 1970, and 1971.

3. Most of the remainder of the report is devoted to presenting comparison information between the Classes of 1973 and 1972 as well as with previous classes. Trend data for the Classes of 1965 to 1973 are presented in the appendix.

4. The following abreviations are used in this report:

CEER	College Entrance Examination Scores and High School Rank Scores statistically combined.
HSR	High School Rank Score
LPS	Leadership Potential Score
PAE	Physical Aptitude Examination
SAT-V	Scholastic Aptitude Test - Verbal
SAT-M	Scholastic Aptitude Test - Mathematics
WMS	Whole Man Score
ASR	Aptitude for the Service Ratings

PREFACE

This report, along with the report, Characteristics of the Class of 1973, and the report, A Comparison of New Cadets at USMA With Entering Freshmen at Other Colleges Class of 1973, comprise the general reports prepared by the Office of Research to describe the Class of 1973 at the time members of the Class entered the Academy.

The same three reports were prepared for the Classes of 1971 and 1972. (For 1971 this report was called Analysis of the Characteristics of the Class of 1971.) Similar reports are planned on each future class when it enters the Academy.

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I. PERFORMANCE MEASURES

1. Academic Qualifications:

a. With relation to the College Entrance Examination Board scores, the Class of '73 compared to the Class of '72 in their mean scores as follows:

	'73	'72
Scholastic Aptitude Test - Verbal	563	579
Scholastic Aptitude Test - Mathematics	635	645
English Composition	547	559
Mathematics Achievement	616	630
High School Rank Score	538	543

b. The differences in scores for the first four areas are statistically significant. Although the High School Rank Scores are lower for the Class of '73 than for '72, the difference is considered to be moderate.

c. Comparisons with available data aid in interpreting the level of these scores. The mean cadet score for the Class of '73 on SAT-V is higher than that of 82% of a representative sample of male secondary school seniors; and higher than 74% of those who were accepted by colleges. The mean cadet score on SAT-M was higher than that of 86% of the secondary seniors; and higher than 81% of those who were accepted by colleges.

2. Potential for Success at USMA. There are several measures which have been found to be related to academic, physical and leadership success at USMA:

a. General potential for academic success. Each candidate is evaluated on his academic potential to succeed at USMA. No candidate is admitted unless there is a reasonable assurance that he will be able to graduate. The prime academic potential measure is the CEER score which, for the Class of 1972 has a correlation coefficient of .632 with end of fourth class academic average. The average CEER score for the Class of 1973 is 582.

Using the formula derived on the Class of 1972*, the expected Fourth Class year academic average for a cadet in the Class of 1973 with a CEER score of 582 is 2.379.

(1) Those cadets who have low CEER scores can be expected to have more difficulty in their academic work than those cadets who have high CEER scores.

(2) Figure 1 provides a graphic comparison of the number of cadets within each CEER range, as shown in Table 1, with the number of completely examined candidates within the same ranges. Inspection of Figure 1 shows that although candidates with low CEER scores were not admitted, all the top scores on the CEER were not admitted either. Obviously other factors, such as decliners to USMA with high scores, played a significant role.

b. General potential for physical activities. The average Physical Aptitude Examination score of 547 is significantly different from the average 561 made by the entering Class of 1972 but is nearly identical with the mean of 548 made by the Class of 1971. The number of entering cadets with PAE scores below 450, as reported in Table 1, increased from 56 last year to 168 this year. A graphic comparison of the distribution of PAE scores in the Class of 1973 with that in the candidate population from which it was drawn is provided by Figure 2.

c. Leadership potential. The Leadership Potential Scores are derived from the ratings of the candidate by his secondary school teachers, and evaluations by Admissions Officials of his quality of participation in athletic and other school and community activities. The LPS and PAE are currently the best predictors of Aptitude for the Service Rating. The mean LPS for this Class (595) is not significantly different from the mean of the Class of 1972 (600). A graphic comparison of the distribution of Leadership Potential Scores in this Class with that in the candidate population is provided in Figure 3. In general, the higher a candidate's LPS the higher the probability is that he will come to USMA.

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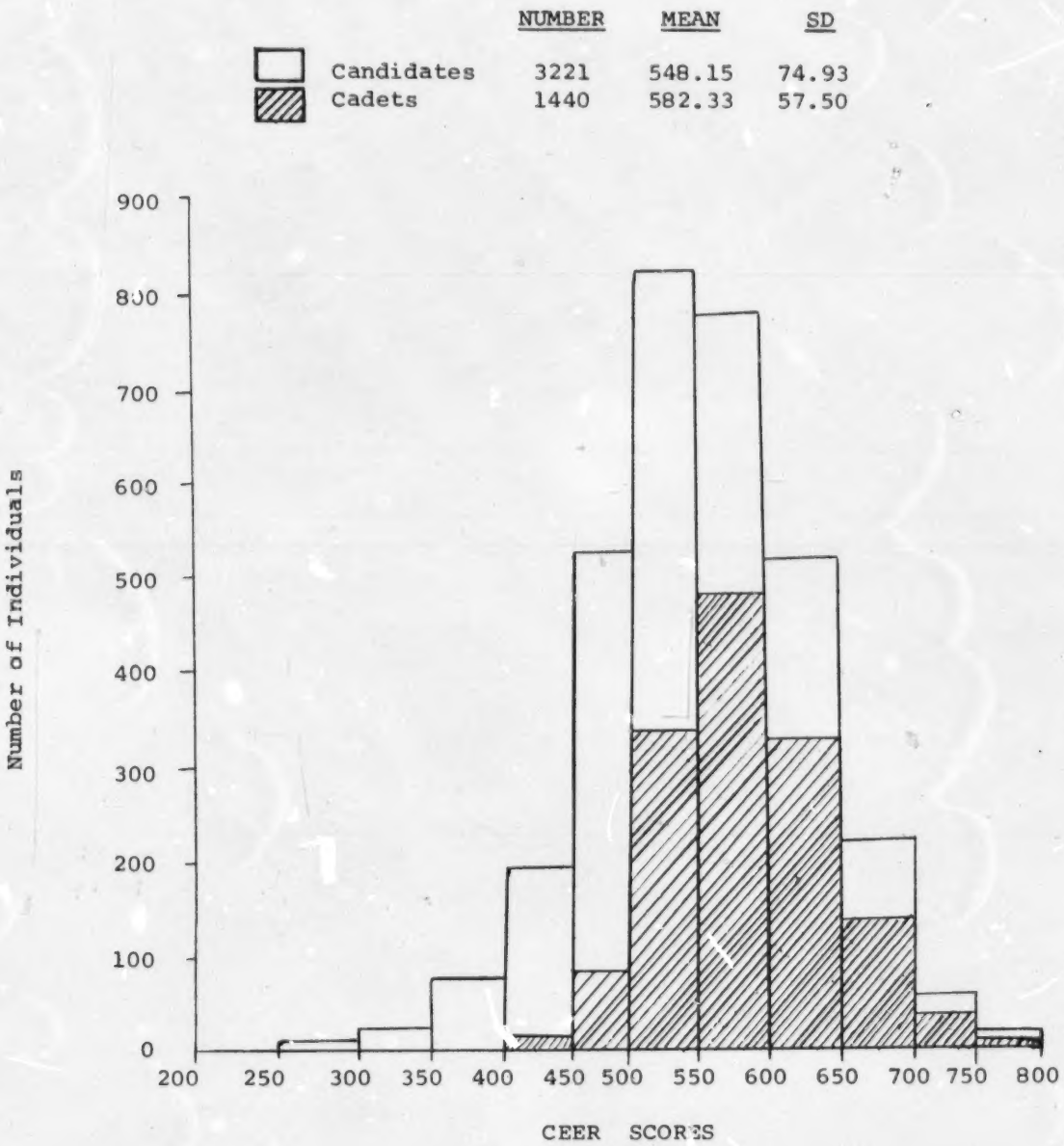
*Academic Average = 0.001633 (CEER)+1.429077;
Standard error of estimate = 0.1058.



No.												
Candidates	0	1	15	77	196	524	822	779	518	224	61	4
% Entered	0	0	0	0	2.6	17.0	41.5	61.5	65.3	65.2	63.9	75.0
No. Cadets	0	0	0	0	5	89	341	479	338	146	39	3

Figure 1. Comparison of the Number of Cadets with the Number of Fully Examined Candidates at each CEER Score level for the Class of 1973

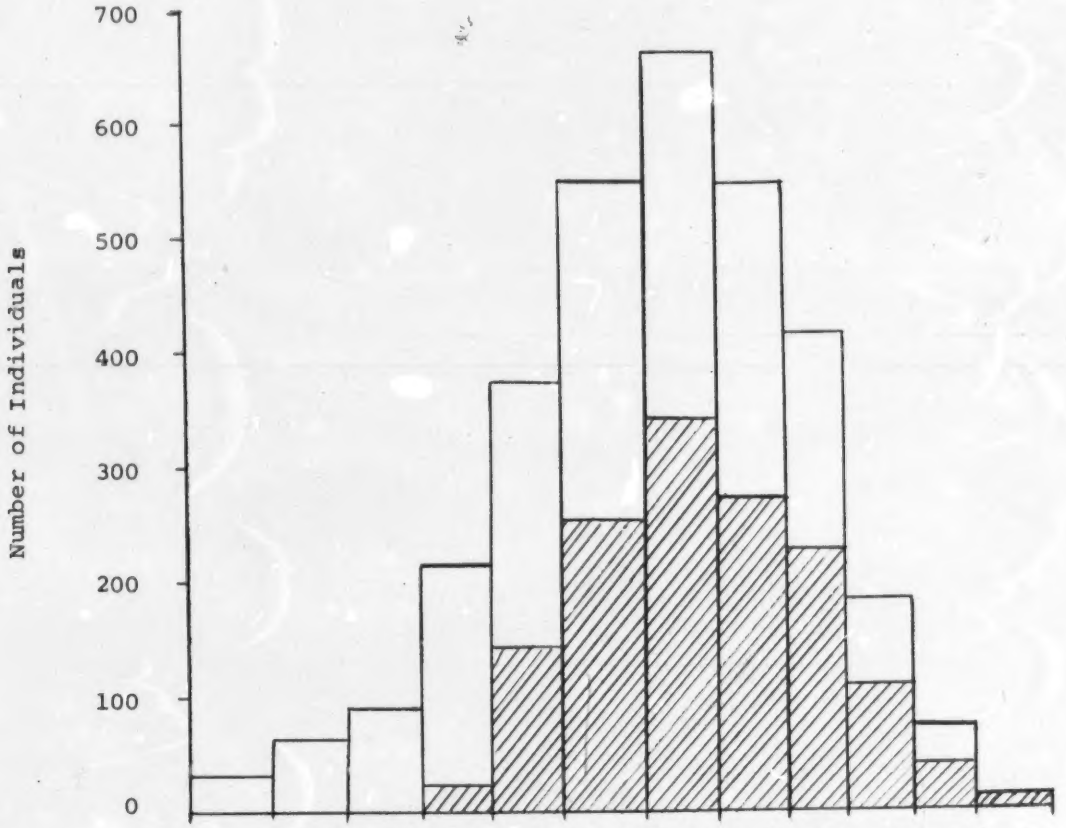
TABLE 1

DISTRIBUTION OF SCORES ON WHOLE MAN SCORE COMPONENTS*
FOR THE CLASS OF 1973

SCORE RANGES	ACADEMIC (CEER)		PHYSICAL APTITUDE (PAE)		LEADERSHIP POTENTIAL (LPS)	
	No	%	No	%	No	%
750-800	3	0.2	9	0.6	2	0.1
700-749	39	2.7	44	3.1	31	2.2
650-699	146	10.1	106	7.4	333	23.1
600-649	338	23.5	231	16.2	361	25.1
550-599	479	33.3	276	19.3	369	25.6
500-549	341	23.7	340	23.8	208	14.4
450-499	89	6.2	254	17.8	101	7.0
400-449	5	0.3	147	10.3	31	2.2
350-399	0	0.0	21	1.5	3	0.2
300-349	0	0.0	0	0.0	1	0.1
250-299	0	0.0	0	0.0	0	0.0
200-249	0	0.0	0	0.0	0	0.0
TOTAL	1440	100.0	1428*	100.0	1440	100.0
MEAN	582.33		546.52		595.40	
STANDARD DEVIATION	57.50		80.58		67.33	

*Excluding Foreign Cadets

	NUMBER	MEAN	SD
Candidates	3221	515.42	101.3
Cadets	1428*	546.52	80.58

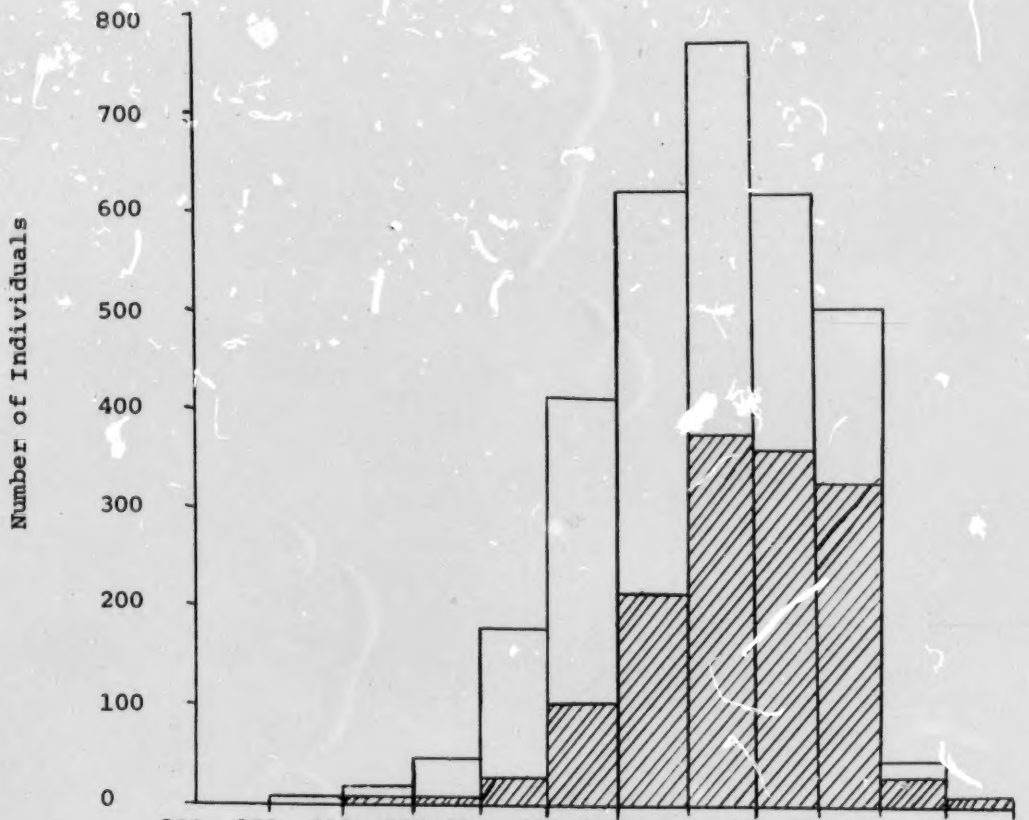


No. Candidates	31	61	94	212	376	548	663	549	419	184	75	9
% Entered	0.0	0.0	0.0	9.9	39.1	46.4	51.3	50.3	55.1	57.6	58.7	100.0
No. Cadets	0	0	0	21	147	254	340	276	231	106	44	9

Figure 2. Comparison of the Number of Cadets with the Number of Fully Examined Candidates at each Physical Aptitude Score Level for the Class of 1973.

*Excluding Foreign Cadets

	NUMBER	MEAN	SD
Candidates	3221	567.62	77.20
Cadets	1440	595.40	67.33



No. Candidates	0	2	9	47	178	406	630	775	622	501	49	2
% Entered	0.0	0.0	11.1	6.4	17.4	24.9	33.0	47.6	58.0	66.5	63.3	100
No. Cadets	0	0	1	3	31	101	208	369	361	333	31	2

Figure 3. Comparison of the Number of Cadets with the Number of Fully Examined Candidates at each Leadership Potential Score Level for the Class of 1973.

3. Overall Appraisal of Potential for Success at USMA:

a. The Whole Man Score is a weighted score consisting of 60% CEER, 10% PAE, and 30% LPS. Table 2 shows the distribution of WMS's in the Class of '73. Moving the decimal point one place to the left converts the WMS to a scale similar to that of its components. Due solely to combining scores, the frequencies of the relatively high and low scores are reduced; i.e., the individuals with the highest scores on one variable do not necessarily have the highest scores on the others.

b. The mean WMS for the Class of 1973 is 5828.7 compared to 5919.1 for the Class of 1972. Graphic comparison of the number of cadets whose scores fall in each WMS range with the number of candidates whose scores fall within the same ranges is provided by Figure 4. The scores have been divided by ten in the Figure for ease of comparison. A majority of the candidates with above average WMS's are admitted and come to USMA.

4. Trends in Admission Scores. Looking only at the Classes of 1972 and 1973 gives a very microscopic view of how well the Academy is attracting outstanding young men for admission. Therefore, trend data are provided for the classes using the current admissions procedures, i.e. 1965 through 1973. See Tables 3 and 4 and Figures 5 through 13. These data* show that the academic measures have dropped off somewhat for the recent classes and are now equal to those for the Class of 1965. The leadership scores are generally high. (The Leadership Potential Scores were calculated in a different manner before the Class of 1969 and are not comparable to classes before that one.) The Physical Aptitude scores are still high over this period of years. There is some evidence that the Class of 1965 was higher in ability than classes previous to it.

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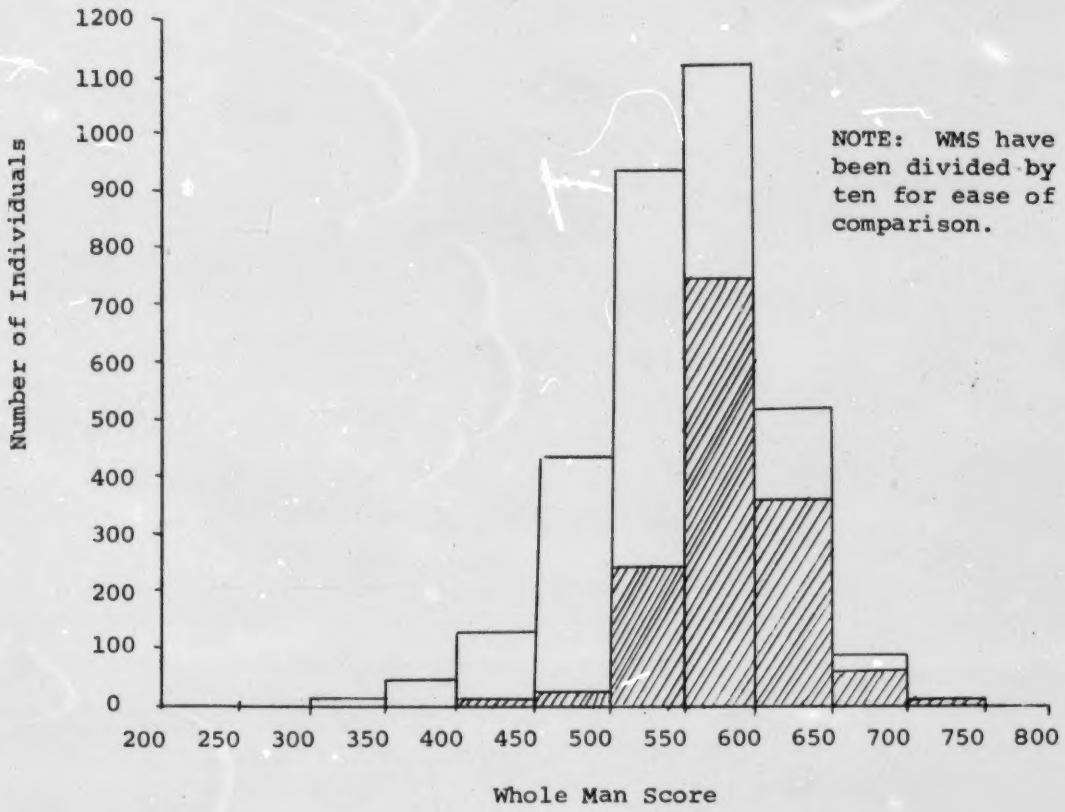
* The data on the CEER and PAE for the Class of 1965 and for the High School Rank Score for the Classes of 1965 through 1968 come from the Basic Candidate Data Decks. The data for the CEER and PAE on admitted candidates for the Classes of 1966 through 1968 come from the analysis by Spencer. The data for the remainder of the variables shown on these tables come from the Class Characteristics reports and from the Basic Candidate Data Decks.

	NUMBER	MEAN	SD
Candidates	3221	550.77	56.91
Cadets	1428*	582.87	36.91



No. Candidates	0	0	2	29	117	423	923	1111	515	96	5	0
% Entered	0	0	0	0	1.7	2.1	26.4	66.4	70.7	72.9	20.0	0
No. Cadets	0	0	0	0	2	9	244	738	364	70	1	0

Figure 4. Comparison of the Number of Cadets with the Number of Fully Examined Candidates at each Whole Man Score Level for the Class of 1973.

* Excluding Foreign Cadets

TABLE 2

DISTRIBUTION OF WHOLE MAN SCORES FOR THE CLASS OF 1973*

SCORE RANGES	NO	%
7750-7999	0	0.0
7500-7749	0	0.0
7250-7499	0	0.0
7000-7249	1	0.1
6750-6999	14	1.0
6500-6749	55	3.9
6250-6499	124	8.7
6000-6249	235	16.5
5750-5999	350	24.4
5500-5749	391	27.4
5250-5499	213	14.9
5000-5249	34	2.4
Do 5000	11	0.8
Total	1428	100.0
Mean	5828.33	
Standard Deviation	369.22	

* Foreign Cadets Excluded

TABLE 3

MEANS AND STANDARD DEVIATIONS FOR CEER, LPS, PAE AND WMS
FOR THE CLASSES OF 1965 THROUGH 1973

		CEER			LPS*			PAE			WMS*		
		N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD
1965	A**	2867	543	79				2952	504	94			
	T	2642	547	78				2642	505	94			
	M	2294	55[illegible]	77				2294	510	92			
	C	802	589	59				845	539	73			
1966	A	2208	551	79				2162	504	98			
	T	1856	560	76				1856	505	98			
	M	1657	562	75				1657	508	97			
	C	802	594	61				807	543	76			
1967	A	2504	549	77				2314	498	97			
	T	2042	560	74				2042	498	98			
	M	1781	563	73				1781	504	95			
	C	824	592	53				821	540	75			
1968	A	2959	555	78				2832	495	99			
	T	2042	565	75				2042	499	95			
	M	1784	567	75				1784	504	93			
	C	991	601	55				989	536	76			
1969	A	3978	555	72	4283	550	82	4156	508	99	3689	5511	581
	T	3391	561	74	3391	555	81	3391	515	94	3391	5541	572
	M	3051	563	73	3051	556	80	3051	518	93	3051	5561	567
	C	1133	602	54	1132	582	75	1133	548	76	1051	5921	405

*The LPS was calculated differently for Classes before 1969; therefore, these previous classes are not shown for LPS or WMS.

**A = All candidates tested on variable; T = All candidates fully tested on CEER, LPS, PAE and WMS: M = All candidates fully tested and medically qualified; C = Admitted candidates who became cadets.

TABLE 3 Continued

MEANS AND STANDARD DEVIATIONS FOR CEER, LPS, PAE AND WMS
FOR THE CLASSES OF 1965 THROUGH 1973

		CEER			LPS*			PAE			WMS*		
		N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD
1970	A	3333	557	74	3335	552	85	3368	502	100	3029	5529	565
	T	2818	563	72	2818	556	83	2818	508	96	2818	5554	557
	M	2638	564	71	2638	558	82	2638	511	96	2638	5566	550
	C	1017	603	54	1017	594	71	1017	550	77	1017	5953	363
1971	A	3307	559	74	3294	553	84	3276	491	102	3010	5525	573
	T	2705	565	72	2705	559	83	2705	497	100	2705	5559	566
	M	2505	566	72	2505	561	83	2505	501	99	2505	5573	559
	C	1049	598	54	1049	595	70	1049	548	74	1049	5925	365
1972	A	3386	554	76	3382	564	80	3338	519	101	3053	5553	581
	T	2657	561	73	2657	573	77	2657	532	94	2657	5620	557
	M	2514	561	73	2514	573	77	2514	533	94	2514	5618	558
	C	1239	593	54	1239	600	64	1239	561	76	1239	5919	336
1973	A	3869	542	77	3851	563	78	3966	511	106	3518	5476	580
	T	3221	548	75	3221	568	77	3221	515	101	3221	5508	596
	M	3041	548	75	3041	569	77	3041	518	100	3041	5516	569
	C	1439	582	67	1439	595	68	1427	547	81	1427	5829	369

*The LPS was calculated differently for Classes before 1969; therefore, these previous classes are not shown for LPS or WMS.

**A = All candidates tested on variables; T = All candidates fully tested on CEER, LPS, PAE and WMS: M = All candidates fully tested and medically qualified; C = Admitted candidates who became cadets.

TABLE 4

MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, ENG-C, MATH-A, AND HSR FOR THE CLASSES OF 1965 THROUGH 1973

		SAT-V			SAT-M			ENG-C			MATH-A			HSR		
		N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD
1965	A*	2820	534	95	2820	595	91	2709	519	100	2708	580	95	2946	492	124
	T**	2588	537	92	2588	599	89	2485	521	98	2485	583	93	2569	496	122
	M	2240	541	91	2240	603	87	2154	525	97	2154	587	92	2232	499	123
	C	842	569	79	842	637	68	785	565	79	786	626	75	821	543	109
1966	A	2322	534	95	2322	600	90	2195	527	101	2204	592	100	2565	496	122
	T	1856	542	92	1856	611	84	1783	535	98	1783	602	96	1856	513	118
	M	1657	543	92	1657	612	84	1592	537	98	1592	603	96	1657	514	116
	C	802	569	77	802	644	65	753	573	83	753	641	76	690	554	101
1967	A	2622	537	95	2622	603	88	2572	517	97	2590	582	97	2879	501	119
	T	2042	544	92	2042	613	84	2042	526	94	2042	592	94	2042	518	114
	M	1781	547	91	1781	617	83	1781	529	93	1781	595	93	1781	519	114
	C	821	568	77	821	643	63	818	556	77	818	627	74	821	554	101

*A = All candidates tested on variable; T = All candidates fully tested on CEER, LPS, PAE and WMS; M = All candidates fully tested and medically qualified; C = Admitted candidates who became cadets.

**For some variables, scores were not recorded even though they were used in calculating the CEER scores.

TABLE 4 Continued

MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, ENG-C, MATH-A, AND HSR FOR THE CLASSES OF 1965 THROUGH 1973

		SAT-V			SAT-M			ENG-C			MATH-A			HSR		
		N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD
1968	A*	2986	543	94	2986	607	92	2927	523	97	2933	587	95	3263	506	119
	T**	2042	555	88	2042	620	86	2041	536	93	2041	600	90	2040	517	117
	M	1784	557	88	1784	623	85	1783	538	91	1783	603	90	1784	519	117
	C	989	580	72	989	653	62	989	567	74	989	634	71	987	559	104
1969	A	4295	542	90	4293	606	92	4178	521	93	4192	581	98	4413	508	116
	T	3391	550	85	3391	617	87	3391	529	90	3391	590	95	3391	516	114
	M	3051	552	85	3051	619	85	3051	532	90	3051	592	94	3051	518	114
	C	1133	578	70	1133	655	63	1133	566	77	1133	633	75	1133	563	102
1970	A	3633	546	91	3633	606	88	3511	525	92	3526	587	95	3558	508	115
	T	2818	554	87	2818	616	82	2818	532	88	2818	596	92	2818	516	114
	M	2638	555	86	2638	618	81	2638	533	88	2638	598	91	2638	516	114
	C	1017	581	75	1017	654	62	1017	564	77	1017	640	78	1017	561	102

* A = All candidates tested on variable; T = All candidates fully tested on CEER, LPS, PAE and WMS; M = All candidates fully tested and medically qualified; C = Admitted candidates who became cadets.

** For some variables, scores were not recorded even though they were used in calculating the CEER scores.

TABLE 4 Continued

MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, ENG-C, MATH-A, AND HSR FOR THE CLASSES OF 1965 THROUGH 1973

		SAT-V			SAT-M			ENG-C			MATH-A			HSR		
		N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD	N	MEAN	SD
1971	A*	3684	542	93	3684	607	87	3522	527	93	3536	596	93	3490	506	114
	T**	2705	553	87	2705	616	81	2705	535	87	2705	603	90	2706	514	113
	M	2505	553	87	2505	617	81	2505	536	87	2505	604	89	2506	514	112
	C	1049	574	74	1049	649	62	1049	562	74	1049	638	72	1049	551	101
1972	A	3808	540	95	3808	601	89	3629	520	93	3634	587	94	3564	501	118
	T	2657	552	89	2657	614	82	2657	530	88	2657	596	90	2657	509	115
	M	2514	551	89	2514	614	82	2514	530	89	2514	596	91	2514	508	116
	C	1239	579	73	1239	645	61	1239	559	75	1239	630	73	1239	543	105
1973	A	4394	526	93	4394	591	92	4165	509	94	4164	574	94	4101	493	117
	T	3221	536	89	3221	601	86	3221	517	90	3221	582	91	3221	501	114
	M	3041	536	89	3041	602	86	3041	517	90	3041	582	91	3041	501	114
	C	1439	562	77	1439	635	67	1439	546	78	1439	617	76	1439	538	102

*A = All candidates tested on variable; T = All candidates fully tested on CEER, LPS, PAE and WMS; M = All candidates fully tested and medically qualified; C = Admitted candidates who became cadets.

**For some variables, scores were not recorded even though they were used in calculating the CEER scores.

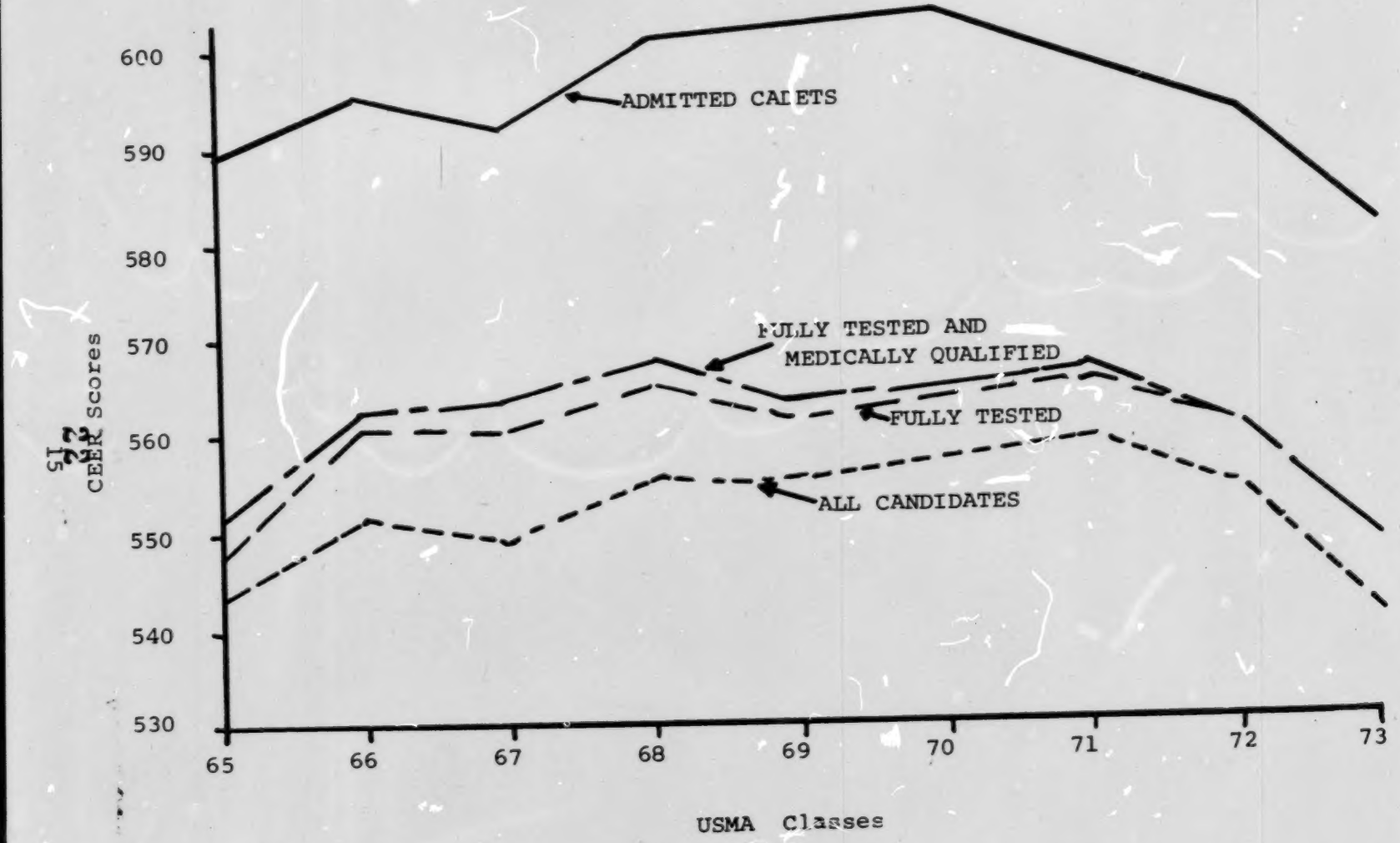


Figure 5. Trends of Mean CEER Scores for the Candidates and Entering Cadets to the Classes of 1965 through 1973.

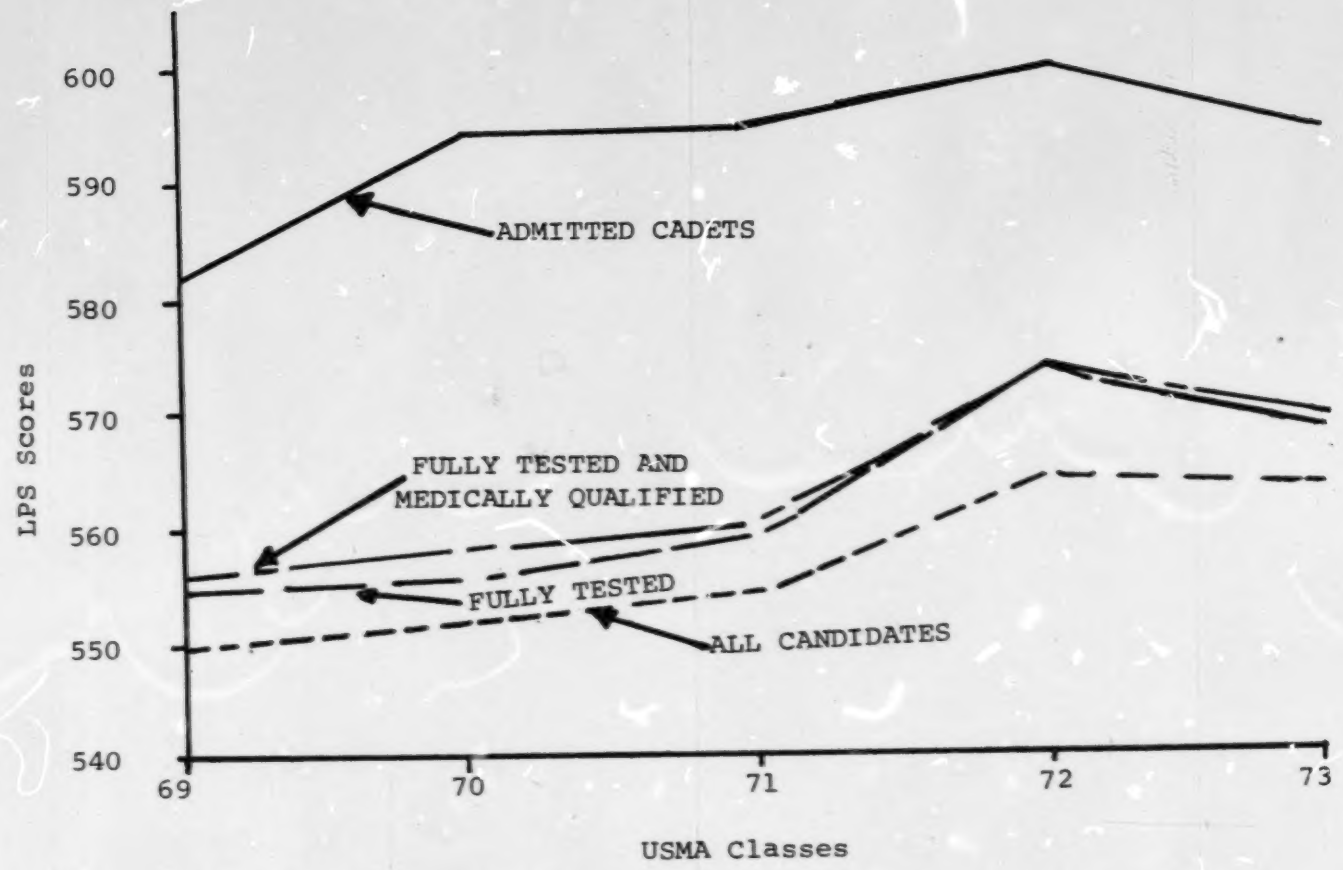


Figure 6. Trends of Mean Leadership Potential Scores for the Candidates and Entering Cadets to the Classes 1969 through 1973.

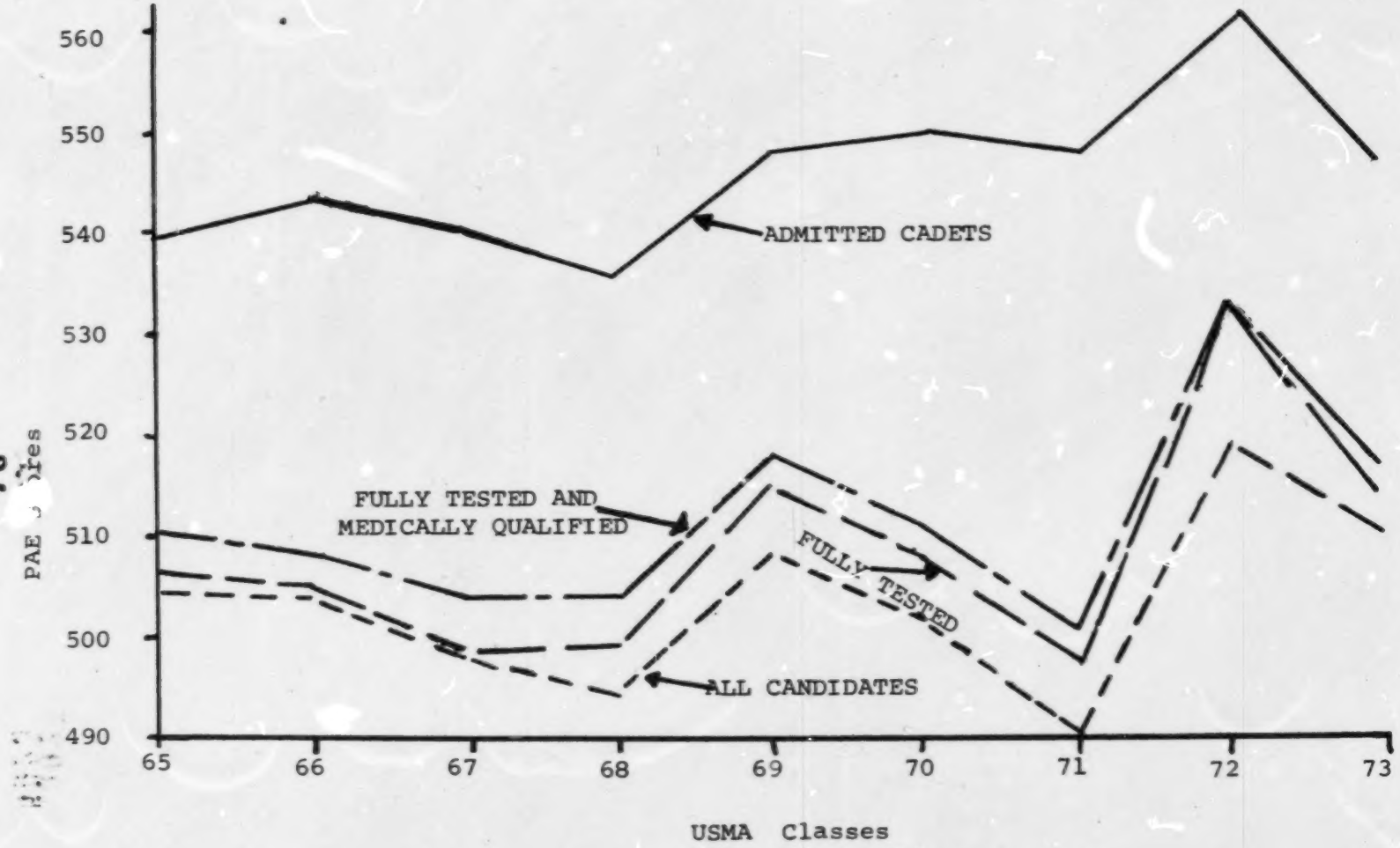


Figure 7. Trends of Mean PAE Scores for the Candidates and Entering Cadets to the Classes of 1965 through 1973.

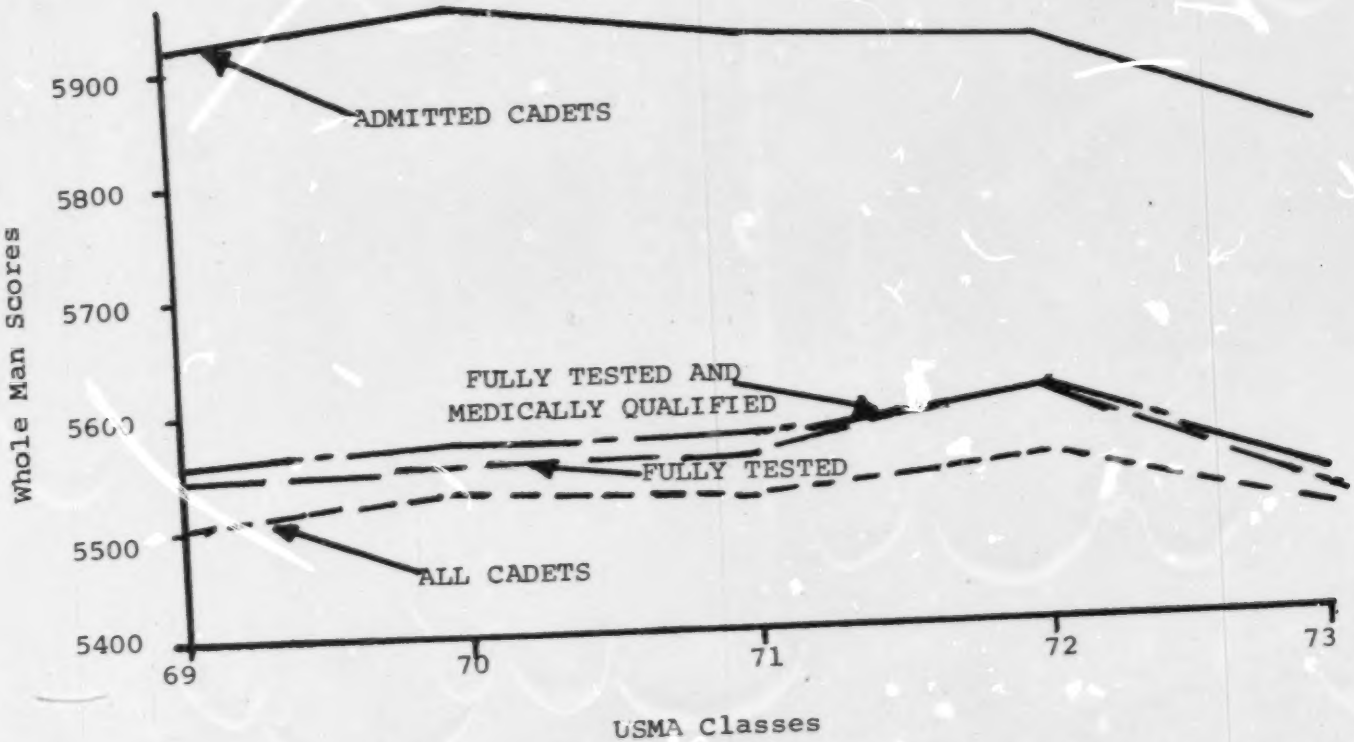


Figure 8. Trends of Mean Whole Man Scores for the Candidates and Entering Cadets to the Classes of 1969 through 1973.

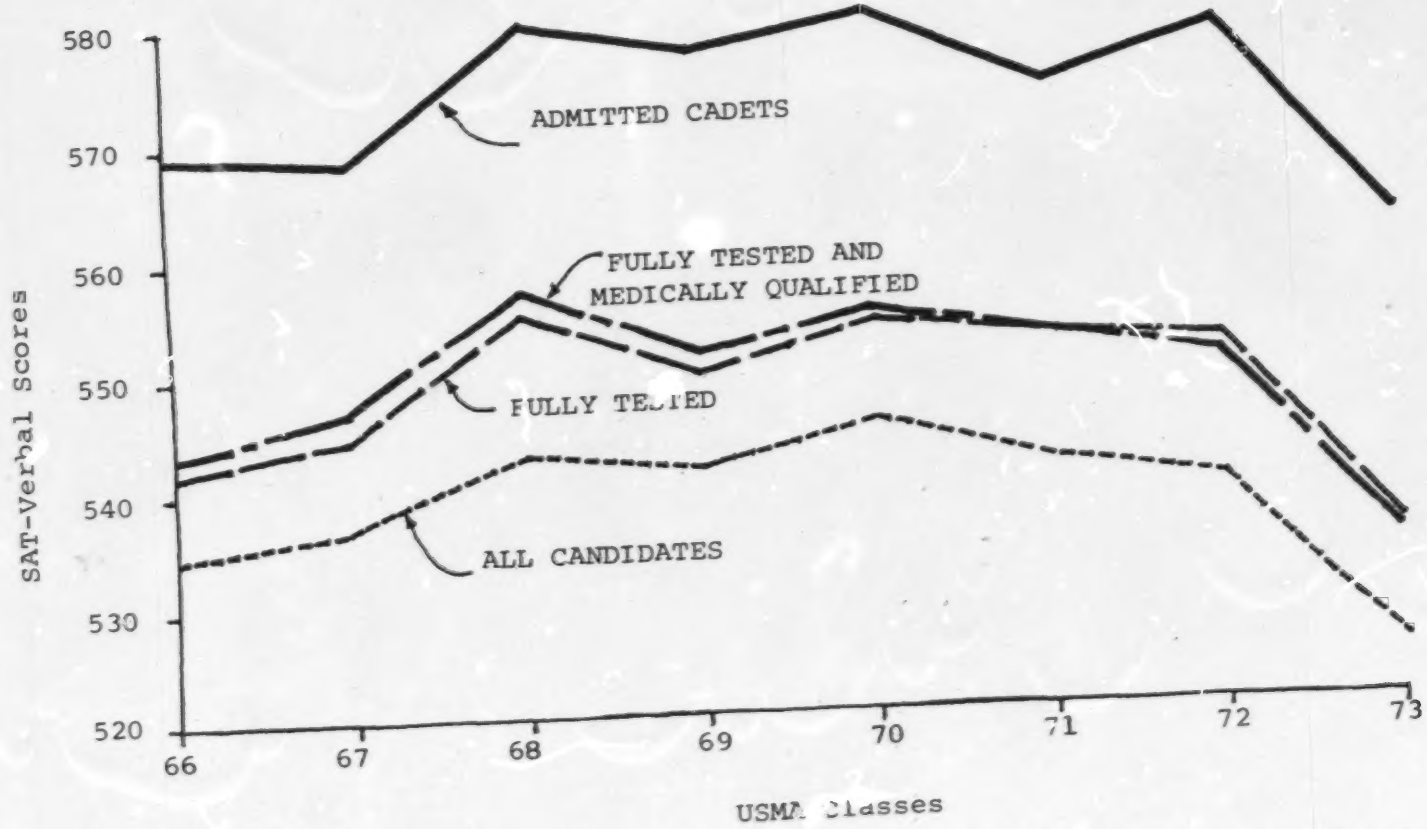


Figure 9. Trends of Mean SAT-Verbal Scores for the Candidates and Entering Cadets to the Classes of 1966 through 1973.

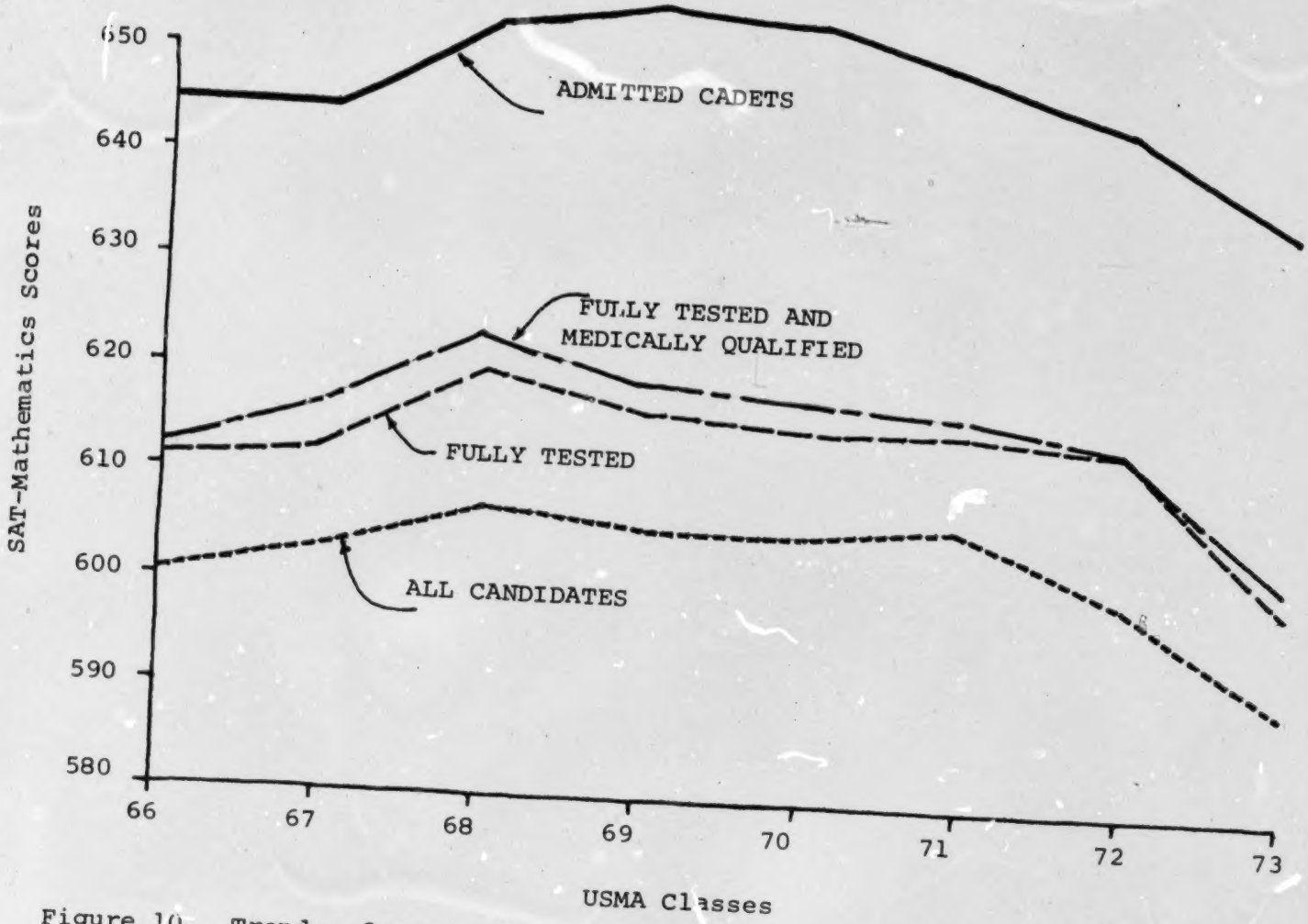


Figure 10. Trends of Mean SAT-Mathematics Scores for the Candidates and Entering Cadets to the Classes of 1966 through 1973.

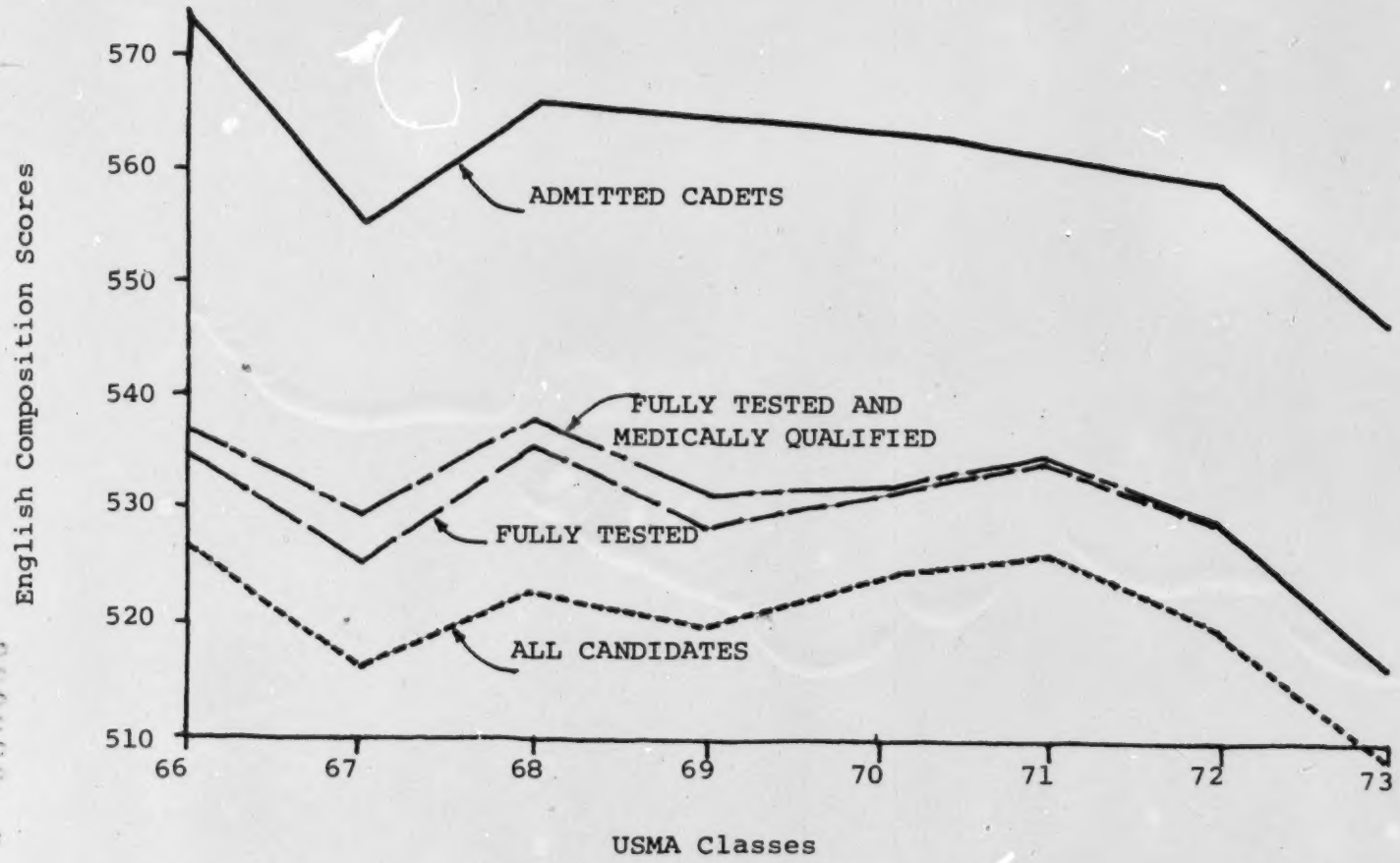


Figure 11. Trends of Mean English Composition Scores for the Candidates and Entering Cadets to the Classes of 1966 through 1973.

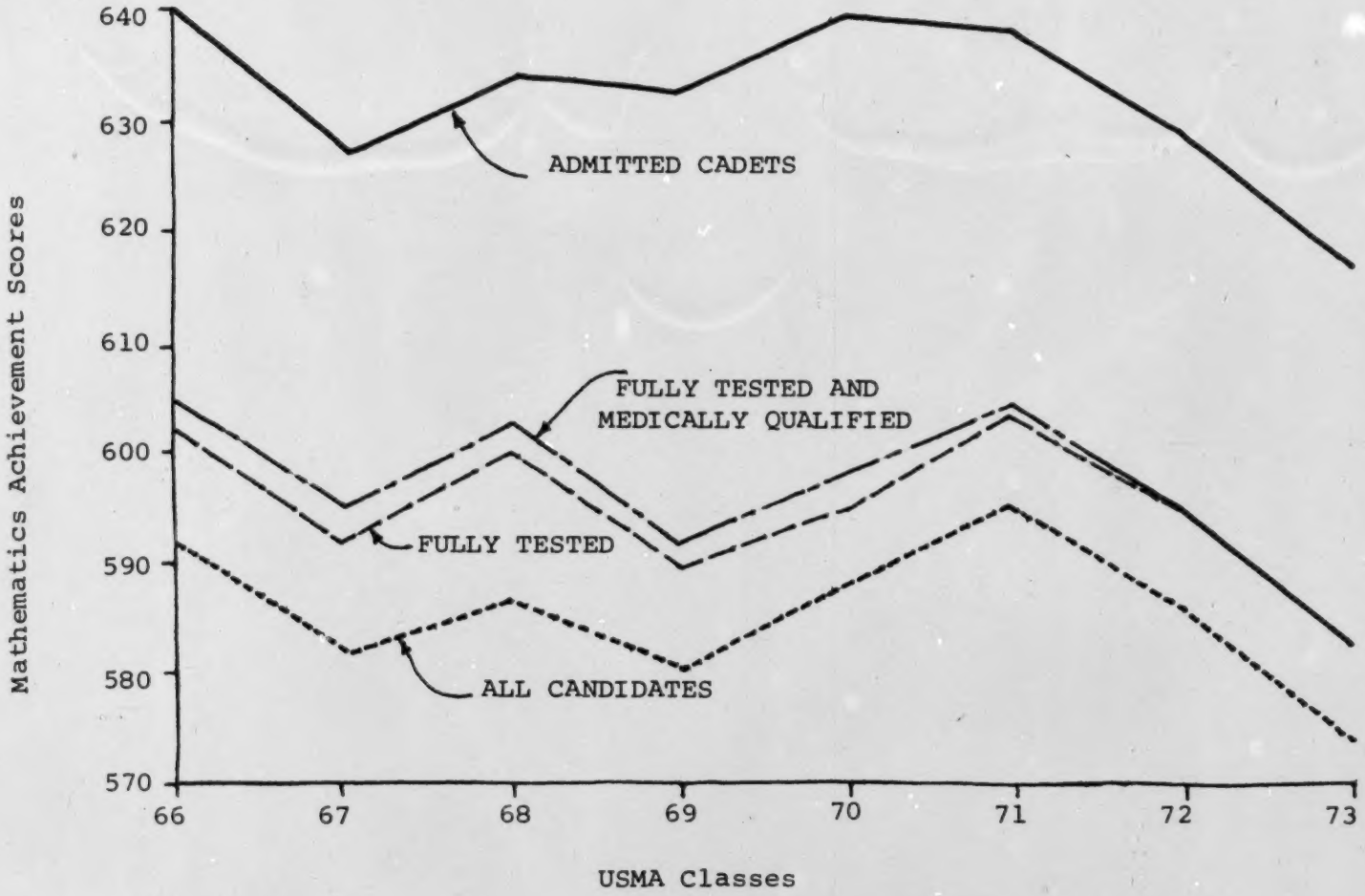


Figure 12. Trends of Mean Mathematics Achievement Scores for the Candidates and Entering Cadets to the Classes of 1966 through 1973.

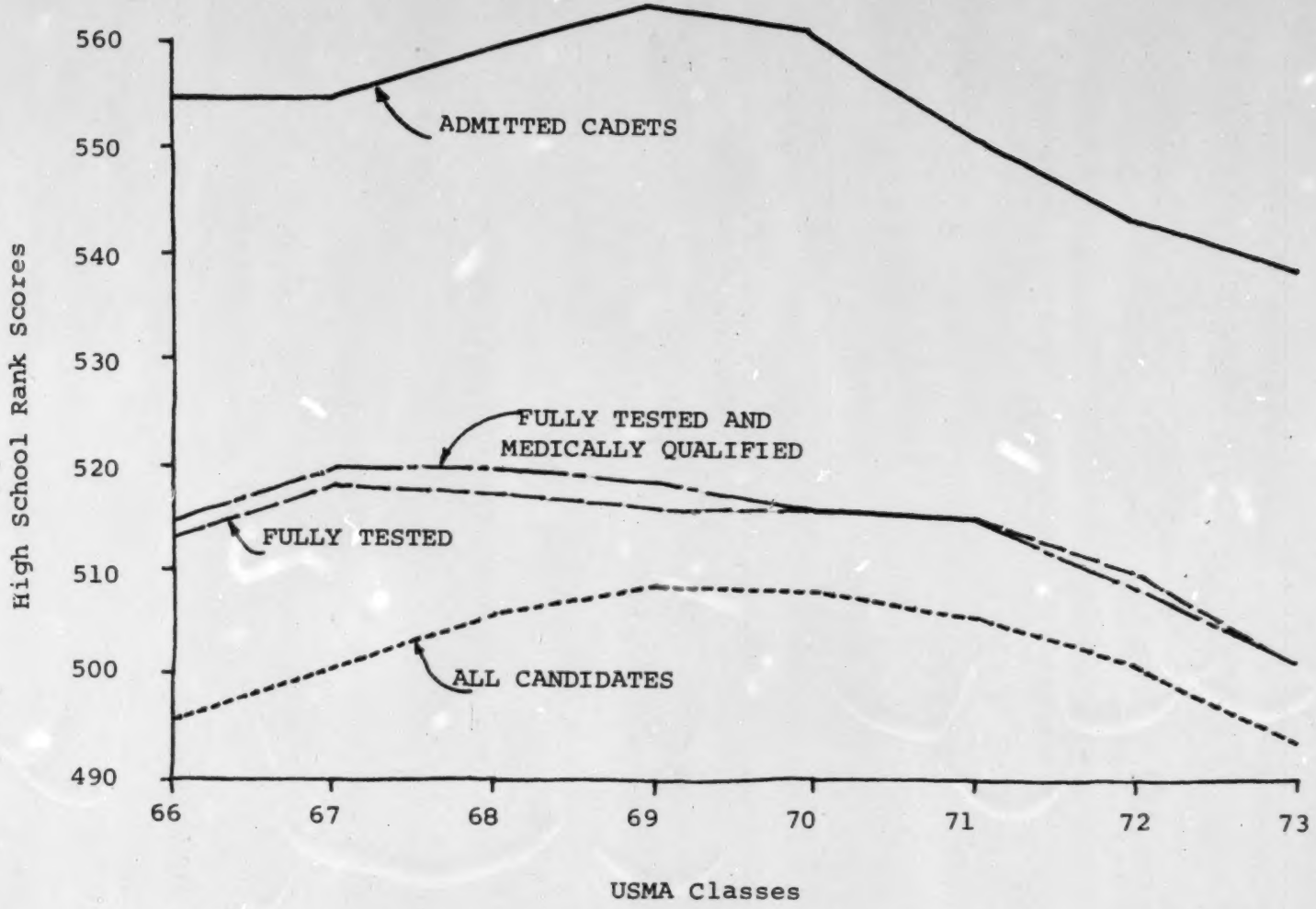


Figure 13. Trends of Mean High School Rank Scores for the Candidates and Cadets to the Classes of 1966 through 1973.

II. HONORS AND AWARDS

5. The members of the Class of '73 received many honors and awards on both the local and national level. The Bausch and Lomb Science Award was given to 26 members of the Class of '73, the same number as in the Class of '72. One hundred and four of the Class of '73 received the American Legion award. On the local level, 273 of the Class of '73 received local school and community awards as compared to 283 in the Class of '72. Eight percent of the class reported to have been valedictorians or salutatorians of their high school class; 37% had completed a high school honors course and 46% were appointed to the National Honor Society. Fourteen percent of the class rejected one or more firm offers of athletic scholarships in order to attend USMA and 40% rejected firm offers of a non-athletic scholarship.

III. PARTICIPATION AND ATTAINMENTS IN HIGH SCHOOL ATHLETICS

6. The typical cadet in the Class of '73 participated actively in varsity athletics. Ninety percent of the class engaged in one sport or another. Seventy-four percent received varsity letters in one or more sports, 33% were captains of one or more sports, and 5% were all-state in one or more sports. As in previous years football had the largest proportion of the class participating on a varsity squad (51%), track ranked second (45%), basketball third (31%), baseball fourth (25%), wrestling fifth (19%), and cross-country sixth (15%). There are no statistically significant differences between the distributions of varsity participation in these sports for the Classes of '73 and '72.

IV. HIGH SCHOOL BACKGROUND

7. Size of Secondary School. The average cadet was graduated from a relatively large public high school with between 300 and 400 in his class. Only 5.6% (80) of the cadets in this class were graduated from very small high schools (less than 50 in the graduating class); 83% were from schools having a graduating class of 100 or more. About 26% were graduated from a private secondary school. The only significant difference between the Classes of '73 and '72 is in the number attending a small high school.

8. Preparatory Schools: Two hundred cadets (13.9%) in the Class of '73 attended a preparatory school prior to their entrance in USMA compared to 15.8% in the Class of '72. This difference is statistically significant. Sixty-five percent of those who attended a preparatory school, attended the USMA Preparatory School at Fort Belvoir.

9. Attempts to gain Admission: The typical cadet in this class gained admission on his first attempt. However, approximately 12% of the cadets answered "one or more years" to the question, "In how many years before this did you attempt to enter the United States Military Academy?"

10. Rank in Class: As in the recent past, most of the entering cadets (92.5%) ranked in the top two-fifths of their graduating classes. This year's entering class has a slightly lower percentage in the top two-fifths than did the entering class last year; however, the difference is not statistically significant.

V. NON-ATHLETIC ACTIVITIES DURING HIGH SCHOOL

11. School Clubs: NinetY-four percent of the Class of '73 actively participated in clubs sponsored by their high school; 31% were presidents of high school clubs and 47% were officers other than president. Sixty-three percent of the Class of '73 were involved in non-school clubs of which 20% held a position other than president. Being a member or officer of either type club has not been found to be significantly related to Aptitude for the Service Ratings, academic performance or retention at USMA.

12. School Officers: The proportion of the Class of '73 who held a high school office is not significantly different than that of the Class of '72. For the Class of 1973, however, 84 (5.8%) were president of their senior class as compared to 88 (7.1%) for the Class of 1972. Past experience has indicated that being a school officer has a significant positive correlation at USMA with Aptitude for the Service Ratings, a low negative relationship to academic performance, and a positive correlation with retention.

13. Boys' State and Boys' Nation: Three hundred and thirty members of the Class of '73 participated in the Boys' State or Boys' Nation program compared to 287 in the Class of '72. Twenty-six members of the 330 representatives were governors at a Boys' State program. The difference between the Classes

of '73 and '72 is not statistically significant.

14. Scouts: Sixty-one percent of the Class of '73 reported to have been associated with the scouting program as compared to 62% of the Class of '72. Thirteen percent of the Class of '73 reported to have obtained the rank of Eagle Scout compared to 14% in the Class of '72. There is no statistically significant difference in the number of cadets who participated in scouting nor in the rank obtained.

VI. MILITARY EXPERIENCE OR SERVICE

15. One hundred and three members (7.7%) of the Class of '73 reported to have had high school ROTC; 86 reported having taken college ROTC. These figures are not significantly different from the Class of 1972. One hundred and eleven were on regular component status prior to their arrival at USMA and 23 were of reserve component status; 76 of those with military training received the Marksmanship Badge and 14 the Parachutist Wings. Most of these cadets attended the US Military Academy Preparatory School. Research has shown a much higher percentage loss from those cadets who were in the Service and then came to USMA by way of the USMA Preparatory School than those cadets who had joined the Service for the expressed purpose of going to the USMA Preparatory School and then coming to USMA.

VII. PARENTS' MILITARY BACKGROUND

16. Approximately 24% of the cadets in this class have fathers who are or have been military career men. Another 59% of the fathers have had some active military service; only 16.8% of the cadets indicated that their fathers had no military service. The fathers of 5% of the Class of 1972 were graduates of USMA and another 1% of one of the other Federal academies.

VIII. COLLEGE BACKGROUND

17. Fifteen percent of the Class of 1973 (211) reported attendance at an institution offering a program of college level studies after their graduation from high school. A majority of these (144) attended a 4 year college or university. The reports of these cadets indicated that 31 (17%) had attended college one semester, and 153 (83%) attended more than one semester. The percentage of students who attended an institution of college level for the Class of 1973 is significantly less than for the Class of 1972.

IX. TRENDS ON SELECTED CHARACTERISTICS

18. Trends. In order to give a better view of how the cadet population has changed over the past nine classes, Tables 5 and 6 were prepared. The figures are rather self explanatory.

TABLE 5

SELECTED CHARACTERISTICS OF THE ENTERING CADETS TO THE CLASSES OF 1965 THROUGH 1973

	Class								
	1965	1966	1967	1968	1969	1970	1971	1972	1973
Cadets with 1 or More Semesters College	232 (27.6%)	238 (29.7%)	218 (26.6%)	191 (19.3%)	196 (17.3%)	193 (19.0%)	246 (23.3%)	241 (19.4%)	184 (12.8%)
Sons of Alumni of USMA	63 (7.5%)	51 (6.4%)	37 (4.5%)	44 (4.5%)	53 (4.7%)	68 (6.7%)	55 (5.2%)	67 (5.4%)	67 (4.7%)
Attended USMA Preparatory School	80 (9.5%)	74 (9.2%)	63 (7.7%)	46 (4.7%)	62 (5.5%)	96 (9.4%)	118 (11.2%)	125 (10.0%)	130 (9.0%)
Attended Other Preparatory School	76 (9.0%)	32 (3.9%)	58 (5.8%)	61 (5.1%)	57 (5.0%)	57 (5.7%)	59 (5.6%)	71 (5.8%)	70 (4.9%)
Attended Public High School	669 (79.5%)	662 (82.5%)	670 (81.6%)	810 (81.8%)	992 (81.5%)	849 (83.5%)	876 (83.1%)	1023 (82.2%)	1212 (84.3%)
Attended Private High School	173 (20.5%)	140 (17.5%)	151 (18.4%)	179 (18.1%)	211 (18.5%)	168 (16.5%)	178 (16.9%)	221 (17.8%)	226 (15.7%)
Rank in High School Class									
Top Fifth	620 (73.7%)	625 (77.9%)	625 (76.1%)	769 (77.8%)	889 (78.5%)	809 (79.5%)	806 (76.5%)	938 (75.4%)	1066 (74.1%)
Second Fifth	150 (17.9%)	139 (17.3%)	150 (18.3%)	168 (17.0%)	177 (15.6%)	144 (14.2%)	164 (15.5%)	235 (18.9%)	264 (18.4%)
Third Fifth	60 (7.1%)	36 (4.5%)	40 (4.9%)	47 (4.7%)	60 (5.3%)	54 (5.3%)	75 (7.1%)	63 (5.1%)	92 (6.4%)
Fourth Fifth	8 (0.8%)	2 (0.3%)	6 (0.7%)	4 (0.4%)	4 (0.4%)	9 (0.9%)	6 (0.6%)	7 (0.6%)	12 (0.8%)
Bottom Fifth	4 (0.5%)	0	0	1 (0.1%)	2 (0.2%)	1 (0.1%)	3 (0.3%)	1 (0.1%)	4 (0.3%)
Valedictorians	48 (5.7%)	53 (6.6%)	52 (6.3%)	61 (6.2%)	67 (5.9%)	55 (5.4%)	59 (5.6%)	62 (5.0%)	53 (3.7%)
Salutatorians	39 (4.6%)	34 (4.2%)	43 (5.2%)	55 (5.6%)	35 (3.1%)	41 (4.0%)	40 (3.8%)	35 (2.8%)	56 (3.9%)
N =	842	802	821	989	1132	1017	1054	1244	1438

TABLE 6

SELECTED HIGH SCHOOL ACTIVITIES AND AWARDS OF THE ENTERING CADETS TO THE CLASSES OF 1965 THROUGH 1973

	Class								
	1965	1966	1967	1968	1969	1970	1971	1972	1973
Senior Class President	66 (7.3%)	65 (8.1%)	62 (7.6%)	76 (7.7%)	89 (7.9%)	83 (8.2%)	110 (10.4%)	88 (7.1%)	84 (5.8%)
Senior Class Officer	118 (14.0%)	111 (13.8%)	120 (14.6%)	120 (12.1%)	127 (11.2%)	117 (11.5%)	114 (10.8%)	105 (8.4%)	137 (9.5%)
Student Body President	41 (4.9%)	64 (8.0%)	53 (6.5%)	67 (6.8%)	77 (6.8%)	63 (6.2%)	105 (10.0%)	55 (4.4%)	75 (5.2%)
School Club President	285 (33.8%)	182 (22.7%)	236 (28.7%)	327 (33.1%)	363 (32.0%)	381 (37.5%)	429 (40.7%)	287 (23.1%)	439 (30.5%)
Debate Team	130 (15.4%)	124 (15.5%)	104 (12.7%)	112 (11.4%)	156 (13.8%)	155 (15.2%)	166 (15.7%)	162 (13.0%)	173 (12.0%)
Varsity Lettermen	*	*	610 (74.3%)	733 (74.1%)	863 (76.2%)	667 (65.8%)	698 (66.3%)	956 (76.8%)	1068 (74.3%)
Team Captains	257 (30.5%)	232 (28.9%)	283 (34.5%)	306 (30.9%)	377 (33.3%)	526 (51.7%)	558 (52.9%)	423 (34.0%)	480 (33.4%)
All State/All Conference	146 (23.3%)	170 (21.2%)	191 (23.3%)	212 (21.4%)	276 (24.4%)	156 (15.4%)	165 (15.7%)	314 (25.2%)	391 (27.3%)
Boy Scouts, All	550 (65.3%)	518 (64.6%)	540 (65.8%)	623 (63.0%)	671 (59.2%)	666 (65.5%)	654 (62.0%)	695 (55.9%)	829 (57.6%)
Boy Scouts, Eagle	92 (10.9%)	101 (12.6%)	77 (9.4%)	124 (12.5%)	150 (13.2%)	157 (15.4%)	208 (19.7%)	168 (13.5%)	184 (12.8%)
Boys State Representative	145 (17.2%)	161 (20.1%)	181 (22.0%)	213 (21.5%)	299 (26.4%)	222 (21.5%)	328 (31.1%)	265 (21.3%)	331 (23.0%)
High School Dramatic Club	146 (17.3%)	113 (14.1%)	105 (12.8%)	121 (12.2%)	156 (13.8%)	163 (16.0%)	159 (15.1%)	181 (14.5%)	187 (13.0%)
Bausch & Lomb Science Award	27 (3.2%)	26 (3.2%)	32 (3.9%)	47 (4.8%)	43 (3.8%)	18 (1.8%)	37 (3.5%)	26 (2.1%)	26 (1.8%)
American Legion Award	80 (9.5%)	72 (9.0%)	82 (10.0%)	113 (11.4%)	90 (7.9%)	101 (9.9%)	94 (8.9%)	90 (7.2%)	104 (7.2%)
All-State Band	23 (2.7%)	15 (1.9%)	12 (1.5%)	22 (2.2%)	10 (0.9%)	15 (1.5%)	16 (1.5%)	162 (13.0%)	173 (12.0%)
Foreign Exchange Student	7 (0.8%)	7 (0.9%)	8 (1.0%)	5 (0.5%)	12 (1.1%)	0	41 (3.9%)	11 (0.9%)	16 (1.1%)
Cadets with Prior Service**	106 (12.5%)	90 (11.2%)	87 (10.5%)	68 (6.9%)	100 (8.9%)	121 (11.9%)	142 (13.5%)	161 (13.0%)	134 (9.3%)

*Not available

**Mostly USMA Preparatory School

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